

SW



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/899,588	07/05/2001	Phillip H. Schreiber		4033

7590 11/20/2003

MSA
Mine Safety Appliances Company
P.O. Box 426
Pittsburgh, PA 15230

EXAMINER

THOMPSON, HUGH B

ART UNIT	PAPER NUMBER
----------	--------------

3634

DATE MAILED: 11/20/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

SW

Office Action Summary	Application No. 09/899,588	Applicant(s) SCHREIBER ET AL.	
	Examiner Hugh B. Thompson II	Art Unit 3634	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) 5 and 15 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 17-20 and 24 is/are allowed.
- 6) ☒ Claim(s) 1-3, 6-8, 14, 16, 21 and 22 is/are rejected.
- 7) ☒ Claim(s) 4, 9-13 and 23 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3, 16, and 22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claims recite the phrase “ramp type”. The term “type” is improper and should be removed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 7, 14, 16, 21, and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Wolner #4,877,110. Wolner, as recited in column 4, lines 2-29, discloses a descent device 10 comprised of a housing 18, a drum assembly 22, 34, a webbing line 38, and a brake assembly/linking mechanism 66, 100, 116, 120 (pawl/clutch), 124.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 3634

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wolner as advanced above. Wolner fails to disclose webbing having a material having a minimum 20% elongation at break. Selection of material properties is an obvious design choice that one of ordinary skill would be expected to determine through routine experimentation and optimization, while producing no new and unexpected results. Therefore, to one of ordinary skill in the art, it would have been obvious, as a matter of engineering design choice, to provide the webbing of Wolner with a material having the claimed properties, while producing no new and unexpected results.

Claims 8 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wolner as applied to claims 1-3, 7, 14, 16, 21, and 22 above, and further in view of Bloder #4,359,139. Wolner fails to disclose a nozzle supported by the housing. Bloder teaches the utility of a descent device having a guide roller 4 or 7, and a nozzle/cable guide 12, 14, used to guide the safety line/cable 1 there through. Therefore, to one of ordinary skill in the art, it would have been obvious, as a matter of engineering design choice, to provide the housing of Wolner with a nozzle as taught by Bloder, so as to guide a safety line there through, while producing no new and unexpected results.

Allowable Subject Matter

Claims 17-20 and 24 are allowed.

Art Unit: 3634

Claims 4, 10-13, and 23 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The primary reason for the allowable subject matter of claims 4 and 23, is the inclusion a brake mechanism including a pinion gear with a shaft supported on the housing and a brake hub supported on the shaft by a one way bearing, and for claims 10, 17, and 24, it is the inclusion of the line having permanent and replaceable portions, the portions having ends joined by a linkage.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hugh B. Thompson II whose telephone number is (703) 305-0102. The examiner can normally be reached on Monday thru Friday 9 am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Stodola can be reached on (703) 308-2686. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3597.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-2168.



Hugh B. Thompson II
Art Unit 3634
November 17, 2003